

# FILE NOTATIONS

Entered in NID File  
Location Map Pinned  
Card Indexed

.....  
.....  
.....

Checked by Chief  
Approval Letter  
Disapproval Letter

*P.A.B.*  
*8-14-73*  
.....

## COMPLETION DATA:

Date Well Completed .....

OW..... WW..... TA.....

OW..... OS..... PA.....

Location Inspected ..

Bond released

State or Fee Land .....

## LOGS FILED

Driller's Log.....

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

RHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

*8-15-73 Approved Initial Changes To  
Application - CB.7*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Edward Mike Davis doing business as Tiger Oil Company

## 3. ADDRESS OF OPERATOR

1920 Colorado State Bank Building, Denver, Colorado 80202

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface N/2 SW/4 SW/4

\*\*

At proposed prod. zone 2190' FSL &amp; 660' FWL

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7 1/2 mi. W. &amp; 1 1/2 mi. N. of Montezuma Creek

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NA

## 16. NO. OF ACRES IN LEASE

360

## 19. PROPOSED DEPTH

5800

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13-3/8	48#	160	200 sx.
12 1/2	8-5/8	24#	1,600 (1)	700 sx.
7-7/8	5 1/2	15.5#	5,800	300 sx.

Objective: Ismay, Desert Creek and Akah. (1) Will run approximately 1,600' of 8-5/8" csq. if water flow is encountered. Cmt. surface csq. bottom to top. Control well with BOP equipment and adequate mud system so that potential producing zones can be evaluated. If productive, run 5 1/2" csq. and cement same. BOP equipment will be tested and recorded daily. If well is dry, it will be P. & A. according to all regulations.

Use extreme  
Caution to prevent  
any pollution into San Juan River

Fits Norris 1-31-13  
in Sec. 31 - Check  
status = make sure not completed  
(80 acre spacing) as per well

\*\*Survey plat has not been received. We will advise your office verbally of the exact location after examining "on the spot" location.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

E. Wayne Rogers

TITLE

Petr. Engr.

DATE

8/8/73

(This space for Federal or State office use)

PERMIT NO.

43-037-30118

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Verbally Approved 8-15-73 C.B.F.

PT

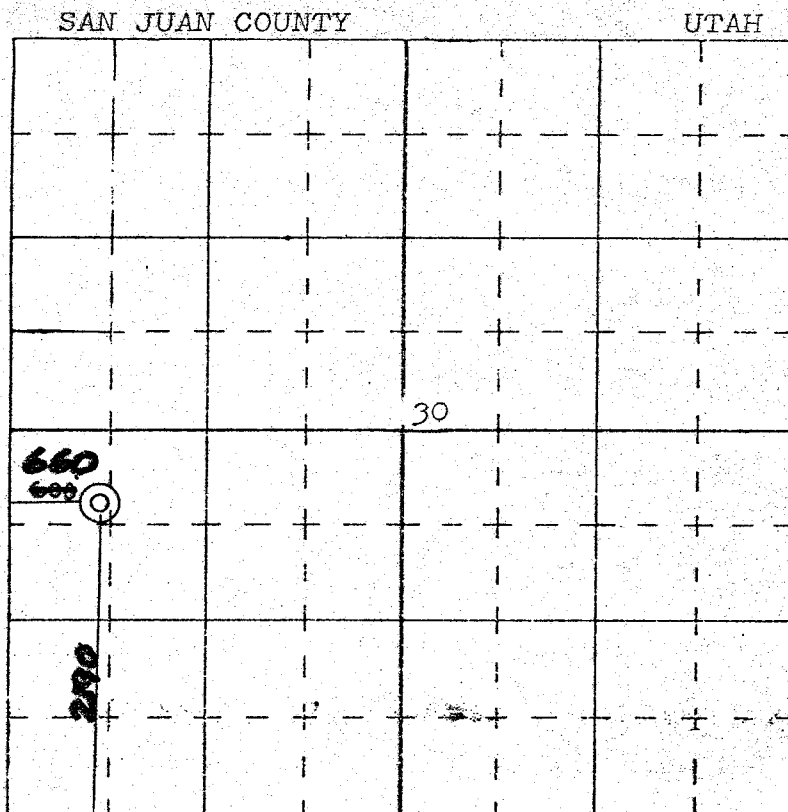
EDWARD MIKE DAVIS d/b/a  
COMPANY TIGER OIL COMPANY

LEASE Gov't. WELL NO. 1-30

SEC. 30 T. 40 S. R. 23 E., S.L.M.

LOCATION 2190 feet from the SOUTH line and  
660 feet from the WEST line.

ELEVATION 4349



Edw. W. Rogers  
Colo. P.E.  
#6078

SCALE—4 INCHES EQUALS 1 MILE

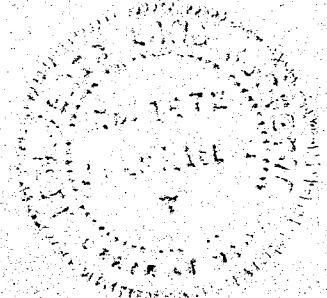
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

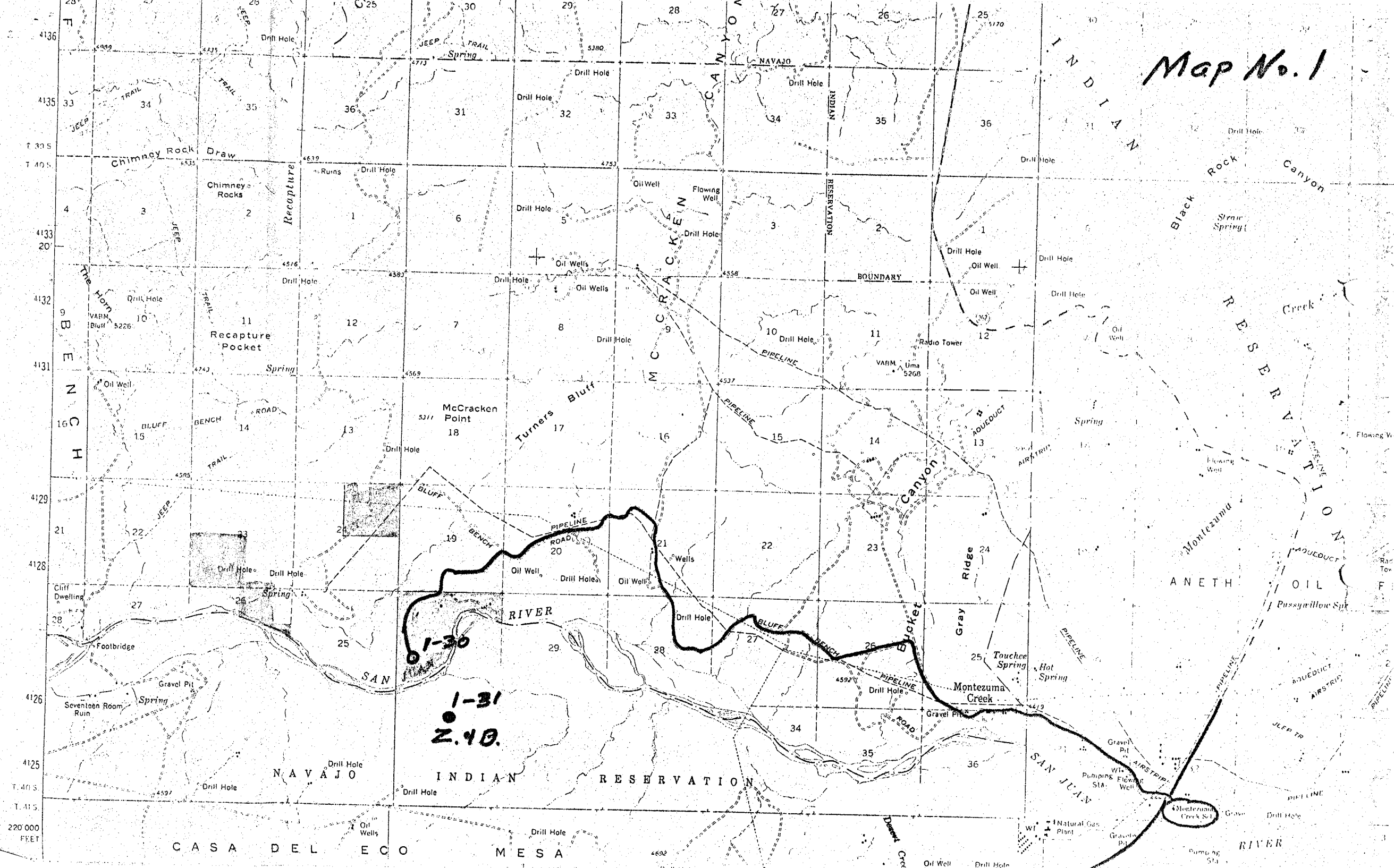
James P. Leare  
Registered Land Surveyor  
Utah Reg. #1472

SURVEYED 8 August 1973

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



Map No. 1





August 9, 1973

Mr. Jerry Long  
U. S. G. S.  
P. O. Box 1809  
Durango, Colorado 81301

RE: Application for Permit to Drill  
Government 1-30, SW/4 SW/4  
Section 30, T40S-R23E  
San Juan County, Utah

Dear Mr. Long:

I am sending information to you in seeking your approval to drill our Government 1-30 well in San Juan County, Utah. I am also sending a copy of this information to Mr. Cleon Feight, Director of the Utah Oil and Gas Conservation Commission.

I plan to meet with B.L.M. personnel as well as the dirt contractor and drilling contractor in the field Monday morning to personally inspect the proposed location. During that field trip, we will move the surveyed location to a point acceptable to all parties concerned. At this time, I have a staked location 50' North of the San Juan River and this would be too close to drill a well. I will contact you Tuesday, August 14 and give you the exact location and it would be appreciated if you would add it to the U.S.G.S. permit.

The W/2 of the SW/4 has been designated as the 80-acre drilling tract with the well located in the SW SW of Section 30.

The required drilling bond has been sent to the B.L.M. office in Salt Lake City, and they have agreed to call your office to advise you that the bond has been received. Hopefully, we can receive necessary approvals to commence building the drilling site early next week.

Mr. Jerry Long  
U.S.G.S.  
Page 2  
August 9, 1973

The following information is attached to this letter:

1. U.S.G.S. Form 9-331C in triplicate.
2. Plan of Operation in triplicate.
3. Map No. 1 showing existing roads and proposed lateral road from main highway.
4. Diagram "A" showing proposed location of tank battery and flow lines in relationship to the well.
5. Diagram "B" - approximate location diagram of drilling rig and its components.

Very truly yours,

TIGER OIL COMPANY

*E. Wayne Rogers*

E. Wayne Rogers  
Petroleum Engineer

EWR:brl


Enclosures

cc: ✓ Mr. Cleon Feight with attachments

PLAN OF OPERATION

WELL NAME: GOVERNMENT #1-30  
LOCATION: W/2 SW/4 Section 30, T40S-R23E  
San Juan County, Utah

- 1) Existing roads and access from main highway per Map No. 1 showing the exit from main highway at Montezuma Creek, Utah.
- 2) Planned access road. Map No. 1 also shows planned access road and planned lateral road. The location and all entry roads shall be kept in good condition throughout the operation. If a well is a dry hole, the location will be returned to the original state to comply with U.S.G.S. specifications.
- 3) Location of proposed well. See Map No. 1.
- 4) Location and type of water. Water will be obtained from San Juan River.
- 5) Proposed location of tank battery and flow lines. See Diagram "A".
- 6) Methods for handling waste disposal. All trash and waste materials of any kind will be contained in burn pit built adjacent to reserve pit. All flammable waste will be burned and non-flammable materials buried in reserve pit, upon completion of drilling a location.
- 7) Location of camps planned -- none planned.
- 8) Location of air strips planned -- none planned.
- 9) Location and layout of rig -- See Diagram "B". Reserve pits will be built according to U.S.G.S. specifications.
- 10) Plans for restoration of surface. The reserve pits will be back filled upon completion of drilling operation and locations will be restored to their original state as specified by U.S.G.S. regulations. If a dry hole, we will erect a dry hole marker as per U.S.G.S. regulations.
- 11) Well site is located on sandy soil above San Juan River. Vegetation in the area includes scrub cedar and cactus.
- 12) All precautionary measures will be taken to protect livestock and wildlife during our operations.

  
E. Wayne Rogers  
Petroleum Engineer  
Tiger Oil Company

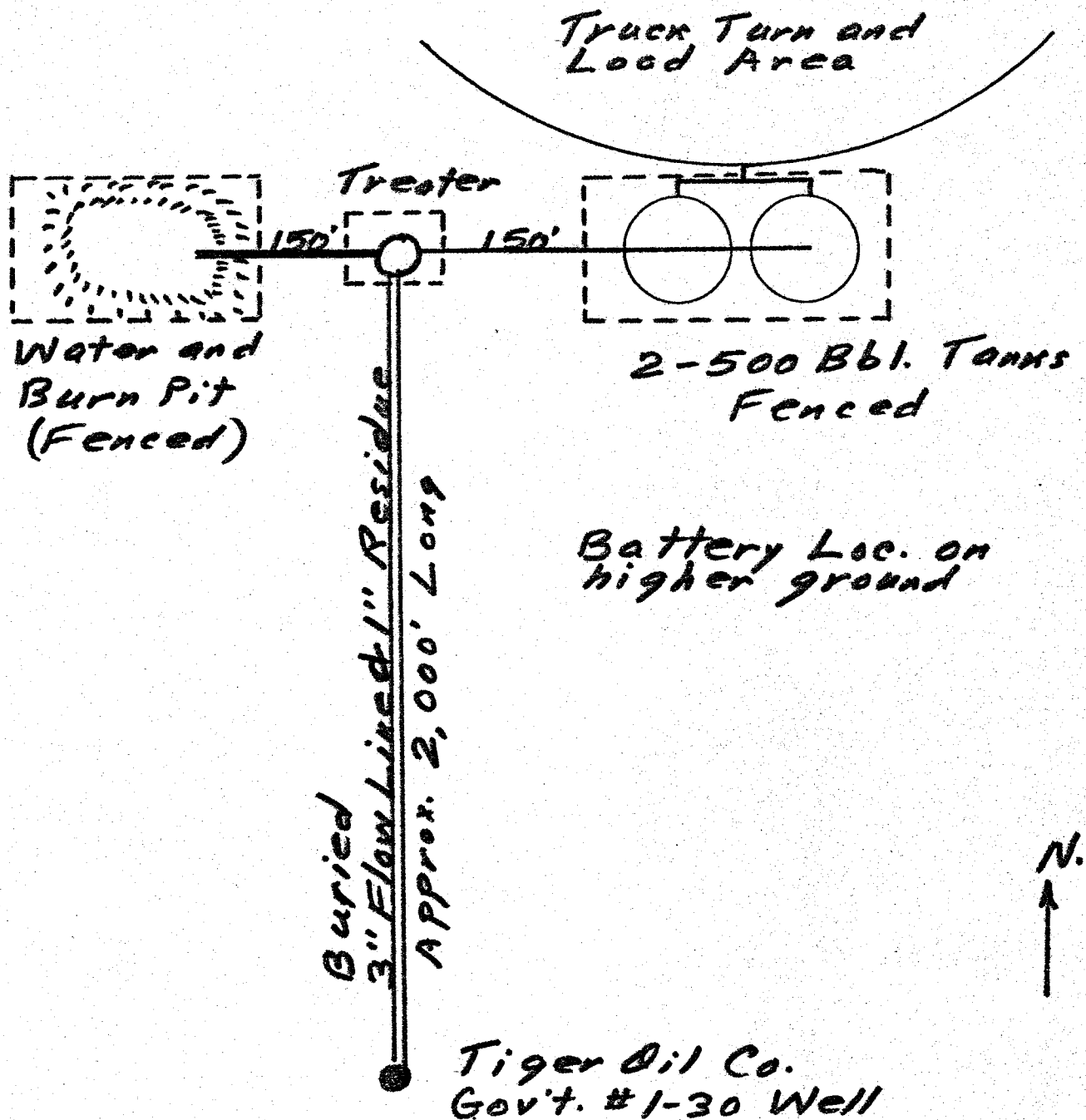


Diagram "A"



Drilling Rig Lay-out

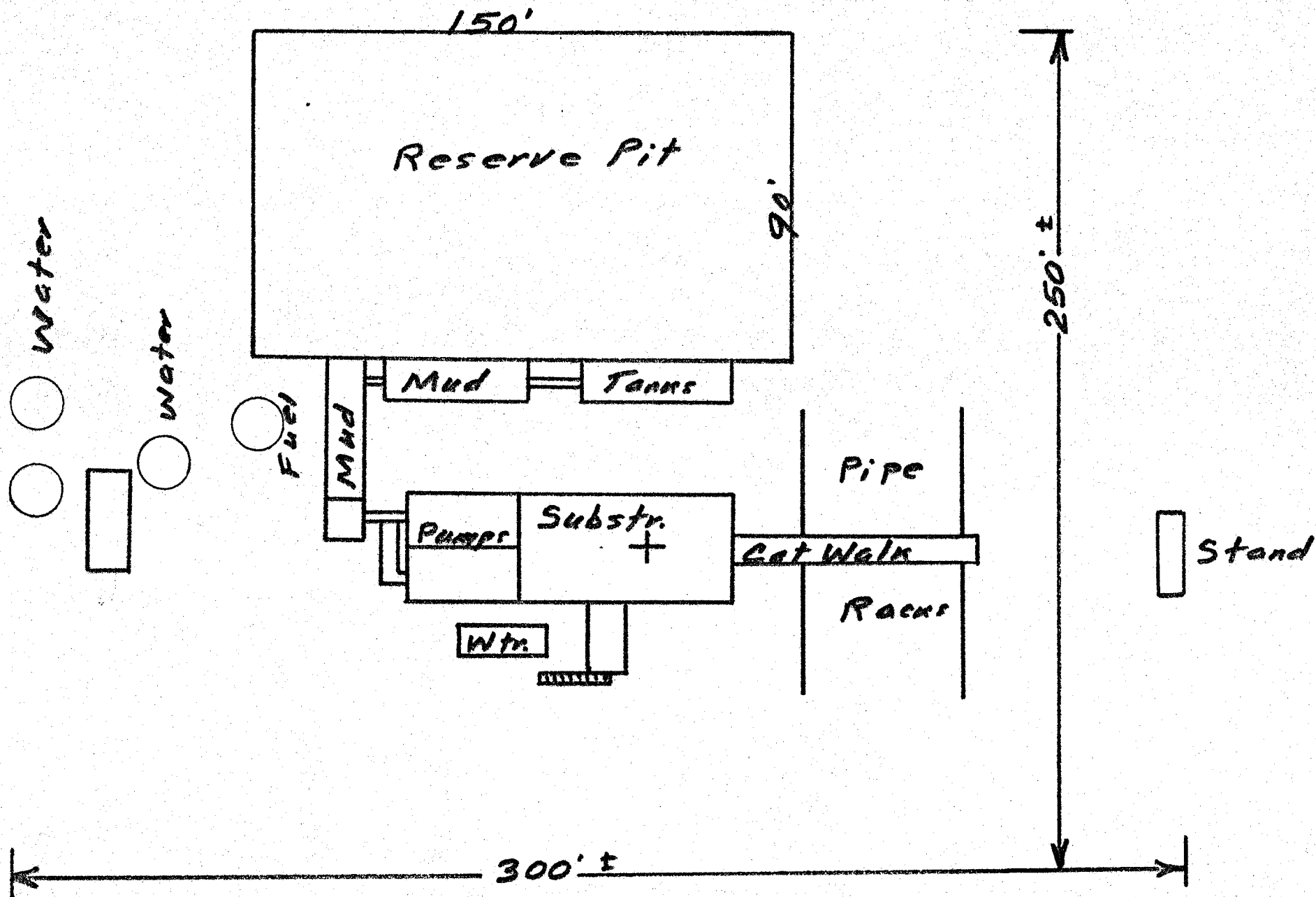


Diagram "B"

August 14, 1973

Tiger Oil Company  
1920 Colorado State Bank Bldg.  
Denver, Colorado 80202

Re: Well No. Government #1-30  
Sec. 30, T. 40 S, R. 23 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted. However, it will be necessary that you follow those stipulations outlined by Mr. Jerry Long, U.S. Geological Survey, subsequent to his visual inspection of the area.

In addition, due to the proximity of this location to the San Juan River, it will be necessary to follow strict safety procedures while drilling and completing.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30118.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd  
cc: U.S. Geological Survey

500,000  
3

.32  
500,000

~~160,000~~ / 10 - Blocked

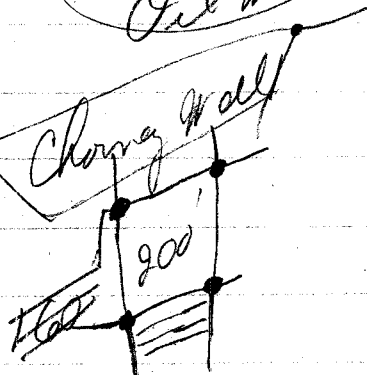
Jerry Long - Montecello  
Bob Brock

8/14/73

Lugar Oil

flood plane - along San Juan River

Norris  
Oil Well



- 1) Build drill pad above flood stage -
- 2) Don't build deep pit - 4 ft high
- 3) - Dispose of waste  
Use Bentonite
- 4) Test into tanks
- 5) if produce - on pad
- 6) Tank Battery ~~on pad~~ out of flood plane
- 7) Pump flow lines
- 8) Maintain Equipment
- 9) ~~Use~~ Non Toxic Material in Drilling Mud.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TR. CATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Drilling		5. LEASE DESIGNATION AND SERIAL NO. USA U-0120404	
2. NAME OF OPERATOR Edward Mike Davis doing business as Tiger Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1920 Colorado State Bank Building, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2190' FSL and 660' FWL		8. FARM OR LEASE NAME USA - Government	
14. PERMIT NO.		9. WELL NO. 1-30	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4,349' GL		10. FIELD AND POOL, OR WILDCAT Ismay-Desert Creek	
		11. SEC., T., R., E., OR BLK. AND SURVEY OR AREA 30, T40S-R23E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud well 12:30 a.m. on 8/28/73.  
Drilled 17-1/4" hole to 216' KB. Ran and cemented 7 joints 13-3/8" OD Casing at 216' with 300 sacks of cement, circulated to surface on 8/29/73.

Drilled 12-1/4" hole to 1,370' KB. Ran and cemented 43 joints 8-5/8" OD 24# K-55 surface casing at 1,370'. Cemented with 700 sacks cement and circulated to surface on 9/2/73.

All water flows have been cased.

After WOC, pressure tested casing with 1100 psig; held o.k. Top Chinle at 1,185' KB.

18. I hereby certify that the foregoing is true and correct

SIGNED E. Wayne Rogers TITLE Petroleum Engineer

DATE 9/4/73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

# Formation Testing Service Report

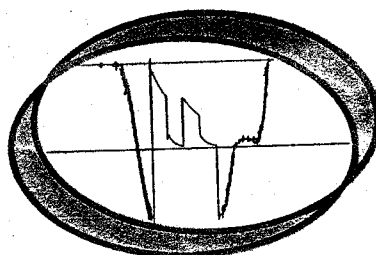
GOVERNMENT

1-30

1

5287' - 5330'

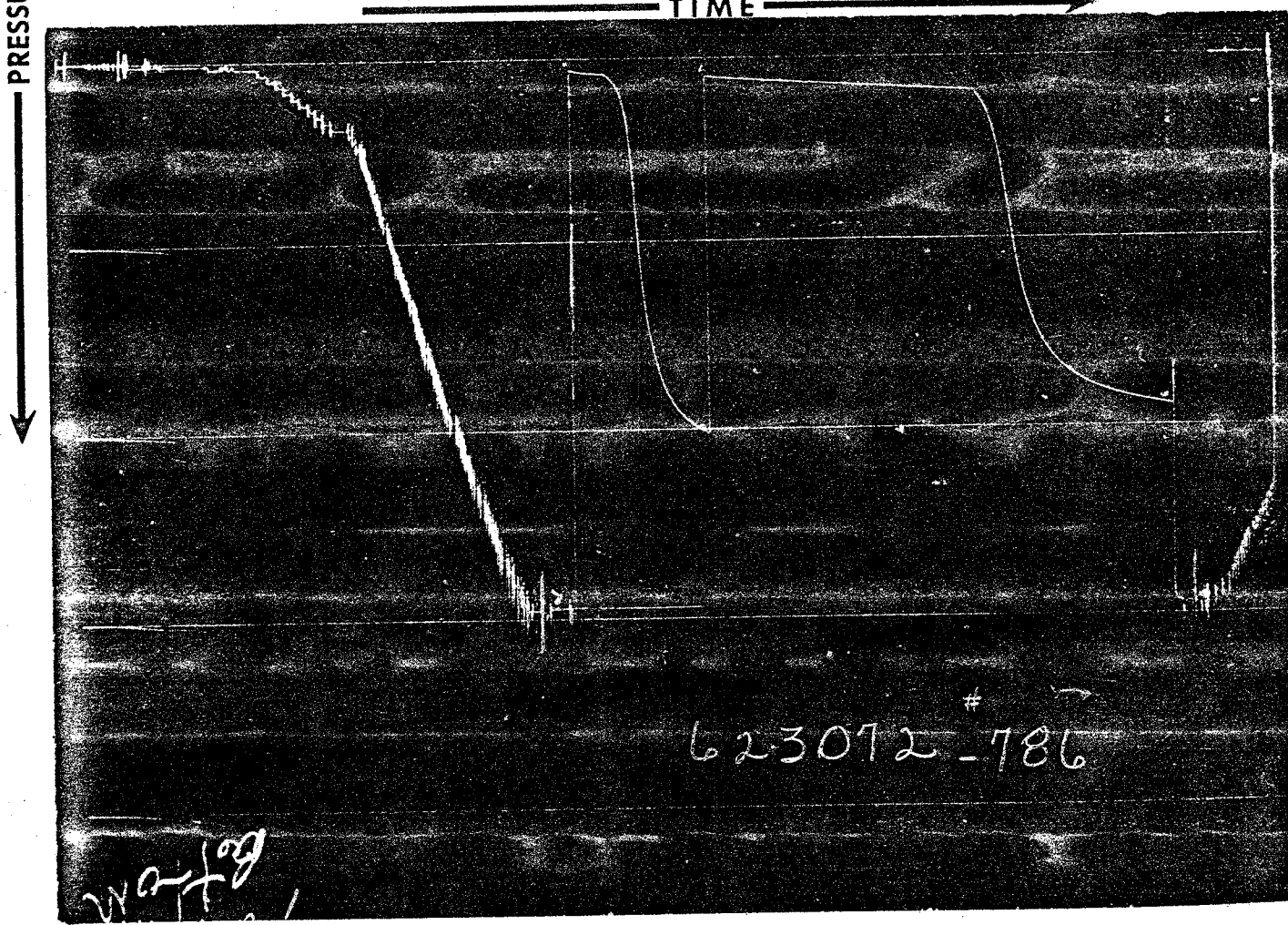
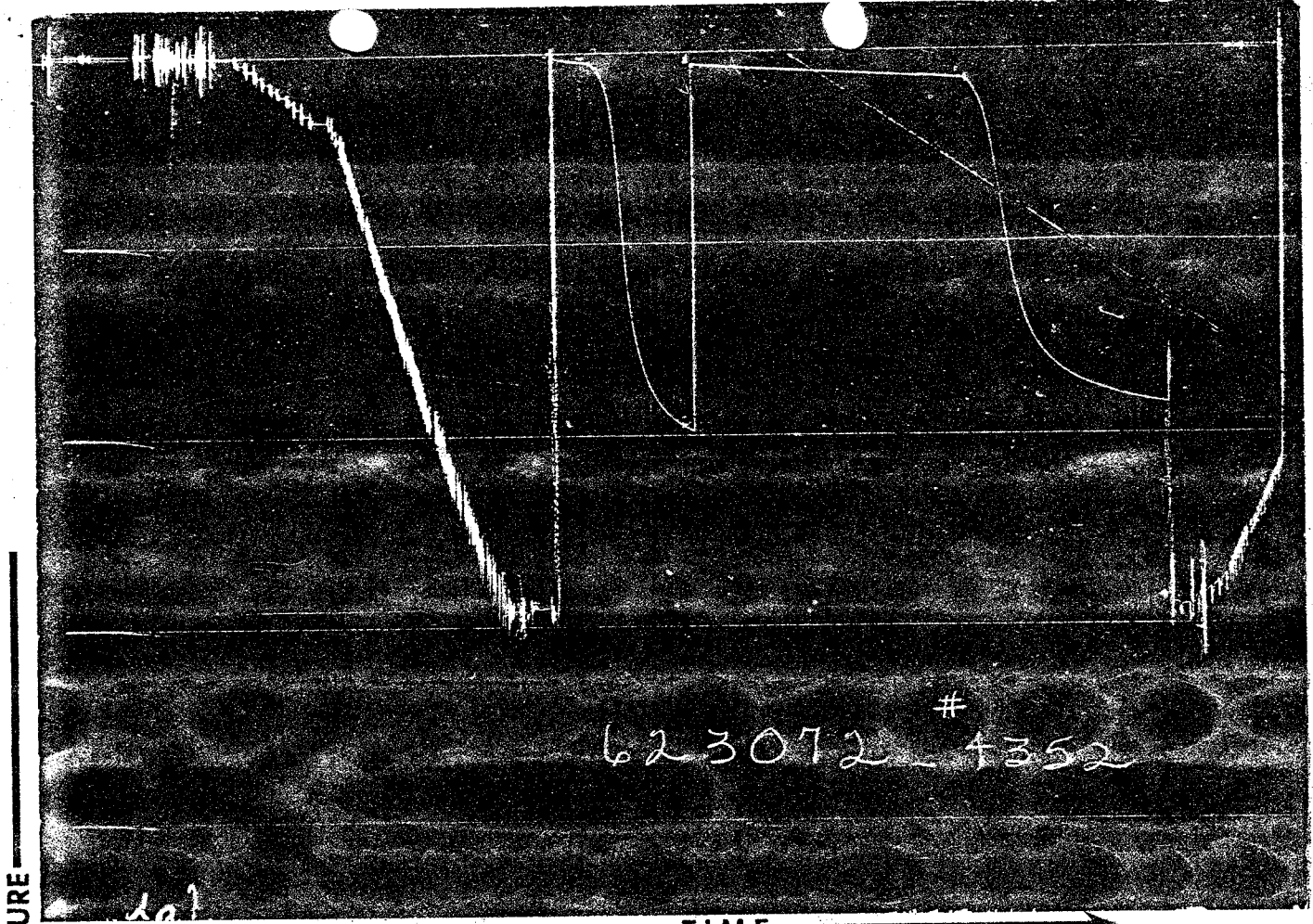
TIGER OIL COMPANY



**HALLIBURTON SERVICES**  
DUNCAN, OKLAHOMA

UTAH	
------	--

FLUID SAMPLE DATA				Date	9-23-73	Ticket Number	623072	
Sampler Pressure	50	P.S.I.G.	at Surface	Kind of Job	OPEN HOLE	Halliburton District	FARMINGTON	
Recovery: Cu. Ft. Gas	.050 C.F.			Tester	SMITH	Witness	MORRILL	
cc. Oil				Drilling Contractor	W. PEAS		NM S	
cc. Water	1600 C C			EQUIPMENT & HOLE DATA				
cc. Mud				Formation Tested	Lower Ismay			
Tot. Liquid cc.				Elevation	4359'		Ft.	
Gravity		° API @		Net Productive Interval	42'		Ft.	
Gas/Oil Ratio			cu. ft./bbl.	All Depths Measured From	Rotary Kelly Bushing			
RESISTIVITY CHLORIDE CONTENT				Total Depth	5330'		Ft.	
Recovery Water	.093 @ 78 °F.	59,708	ppm	Main Hole/Casing Size	7 7/8"			
Recovery Mud	@ °F.			Drill Collar Length	615' I.D. 2 1/2"			
Recovery Mud Filtrate	@ °F.		ppm	Drill Pipe Length	4634' I.D. 3.340"			
Mud Pit Sample	@ °F.			Packer Depth(s)	5281' - 5287'		Ft.	
Mud Pit Sample Filtrate	@ °F.		ppm	Depth Tester Valve	5270'		Ft.	
Mud Weight	10.6 vis	50	cp					
TYPE	AMOUNT	Depth Back	Surface	Bottom				
Cushion	NONE	Ft. Pres. Valve	NONE	Choke	3/4" ADJ.	Choke	3/4"	
Recovered	120'	Feet of	very slightly oil cut mud - 1% or less oil					Med. From Tester Valve
Recovered	145'	Feet of	muddy water - slightly oil cut - less than 1% oil					
Recovered		Feet of						
Recovered		Feet of						
Recovered		Feet of						
Remarks								
Tool opened with a very weak blow for a 22 minute first flow.								
Closed tool for a 60 minute first closed in pressure. Tool reopened for								
a 161 minute second flow with a very weak blow, which continued througho								
the test. Took a 118 minute second closed in pressure.								
TEMPERATURE	Gauge No. 4352	Gauge No. 786	Gauge No.	TIME				
	Depth: 5274' Ft.	Depth: 5326' Ft.	Depth:					
	12 Hour Clock	12 Hour Clock	Hour Clock					
Est. °F.	Blanked Off NO	Blanked Off YES	Blanked Off	Tool Opened 0255 A.M.				
				Tool Closed 0957 A.M.				
Actual 126°F.	Pressures		Pressures		Pressures		Report: 1	Computed
	Field	Office	Field	Office	Field	Office	Minutes	Minutes
Initial Hydrostatic	2880.6	2931	2931.0	2970				
First Period Flow	Initial	27.1	24	54.8	66			
	Final	54.1	49	68.5	86		22	22
	Closed in	1976.1	1975	2000	2016		60	60
Second Period Flow	Initial	54.1	66	82.2	121			
	Final	135.2	145	164.4	190		160	161
	Closed in	1843.1	1839	1865.9	1887		120	118
Third Period Flow	Initial							
	Final							
	Closed in							
Final Hydrostatic	2880.6	2894	2931.0	2931				



Each Horizontal Line Equal to 1000 p.s.i.

Gauge No. 4352			Depth 5274'			Clock No. 10444			12 hour		Ticket No. 623072				
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	24	.000		49	.000	66	.000		145					
1	.0395	32*	.0404		112	.1406	74**	.0402		224***					
2	.0659	38	.0808		299	.2745	86	.0938		459					
3	.0923	42	.1212		854	.4084	97	.1474		910					
4	.1187	45	.1616		1392	.5423	107	.2010		1277					
5	.1450	49	.2020		1636	.6762	116	.2546		1475					
6			.2424		1778	.8101	127	.3082		1581					
7			.2828		1858	.9440	132	.3618		1649					
8			.3232		1911	1.0780	145	.4154		1698					
9			.3636		1949			.4690		1731					
10			.4040		1975			.5226		1758					
11								.5762		1781					
12								.6298		1801					
13								.6834		1816					
14								.7370		1828					
15								.7910		1839					

Gauge No. 786			Depth 5326'			Clock No. 2313			hour 12						
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	66	.000		86	.000	121	.000		190					
1	.0404	74*	.0401		145	.1400	118**	.0400		266***					
2	.0673	79	.0802		314	.2733	129	.0933		497					
3	.0942	82	.1203		880	.4066	141	.1466		961					
4	.1211	85	.1604		1426	.5399	151	.1999		1317					
5	.1480	86	.2005		1669	.6732	160	.2532		1512					
6			.2406		1815	.8065	171	.3065		1625					
7			.2807		1899	.9398	181	.3598		1694					
8			.3208		1953	1.0730	190	.4131		1744					
9			.3609		1991			.4664		1780					
10			.4010		2016			.5197		1807					
11								.5730		1830					
12								.6263		1849					
13								.6796		1865					
14								.7329		1877					
15								.7860		1887					

Reading Interval 4

6

20

8

Minutes

REMARKS: \* INTERVAL = 6 MINUTES. \*\* INTERVAL = 21 MINUTES. \*\*\* INTERVAL = 6 MINUTES.



	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	4634'	
Drill Collars	6 1/2"	2 1/2"	615'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"		8'	
Dual CIP Sampler	5"	3/4"	5'	5270'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"		4'	5274'
Hydraulic Jar	5"	1"	6'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2"	6'	5281'
Distributor				
Packer Assembly	6 3/4"	2"	6'	5287'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	2 1/2"	36'	
Blanked-Off B.T. Running Case	5 3/4"		5'	5326'

# Formation Testing Service Report

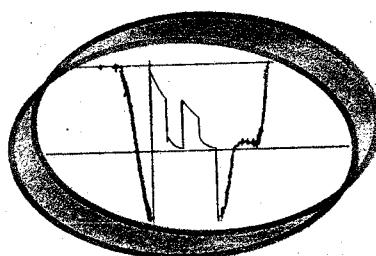
GOVERNMENT

1-30

2

5459' - 5474'

TIGER OIL COMPANY



**HALLIBURTON SERVICES**

DUNCAN, OKLAHOMA

Legal Location  
Sec. - Twp. - Rng.

30 - 40S - 23E

Field Area  
Mea. From Tester Valve  
WILDCATCounty  
SAN JUANState  
UTAH

FLUID SAMPLE DATA				Date 9-26-73		Ticket Number 623073	
Sampler Pressure 75 P.S.I.G. at Surface				Kind of Job STRADDLE		Halliburton District FARMINGTON	
Recovery: Cu. Ft. Gas -				Tester MR. SMITH		Witness MR. MORRILL	
cc. Oil -				Drilling Contractor PEAS		BC S	
cc. Water 1900				EQUIPMENT & HOLE DATA			
cc. Mud -				Formation Tested Desert Creek			
Tot. Liquid cc. 1900				Elevation 4359' Ft.			
Gravity - ° API @ - ° F.				Net Productive Interval 14' Ft.			
Vis/Oil Ratio - cu. ft./bbl.				All Depths Measured From Rotary Kelly Bushing			
RESISTIVITY				Total Depth 5490' Ft.			
CHLORIDE CONTENT				Main Hole/Casing Size 7 7/8"			
Recovery Water .064 @ 65 °F. 110,000 ppm				Drill Collar Length 615' I.D. 2 1/2"			
Recovery Mud - @ - °F.				Drill Pipe Length 4801' I.D. 3.340"			
Recovery Mud Filtrate - @ - °F. ppm				Packer Depth(s) 5453' - 5459' - 5474' Ft.			
Mud Pit Sample - @ - °F.				Depth Tester Valve 5433' Ft.			
Mud Pit Sample Filtrate 0.472 @ - °F. 10,000 ppm							
Mud Weight 10.6 vis 55 cp							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 3/4" ADJ. Bottom Choke 3/4"	
Recovered 60		Feet of Drilling mud					
Recovered 200		Feet of Muddy water					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks Tool opened for a 15 minute first flow with a very weak blow. Closed tool for 59 minute first closed in pressure. Reopened tool for 168 minute second flow with a very weak blow throughout test. Closed tool for 58 minute second closed in pressure.							
TEMPERATURE		Gauge No. 4352		Gauge No. 786		Gauge No. 1475	
Depth:		5437' Ft.		5441' Ft.		5486' Ft.	
Est. °F.		12 Hour Clock		12 Hour Clock		24 Hour Clock	
Blanked Off -		Blanked Off No		Blanked Off Yes		Tool A.M.	
Actual 126 °F.		Pressures		Pressures		Tool A.M.	
		Field Office		Field Office		Closed P.M.	
Initial Hydrostatic		2907 2923		2907 2924		Reported Computed	
Flow Initial		14 12		14 8		Minutes Minutes	
Flow Final		27 31		27 27		15 15	
Closed in		2029 2049		2053 2051		60 59	
Flow Initial		27 46		27 44		165 168	
Flow Final		108 123		110 121		60 58	
Closed in		1524 1541		1577 1540			
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		2907 2915		2907 2910		3017	

↓ PRESSURE

TIME →

623073-4352

623073-786

Each Horizontal Line Equal to 1000 p.s.i.

Sample  
Recovery

avi  
ps/C

Recovery  
Recovery  
Recovery  
Mud  
Mud  
Mud

Cushion

Recovery

Recovery

Recovery

Recovery

Recovery

Removal

59

a

pr

TEMP

Est.

tu

ti

F

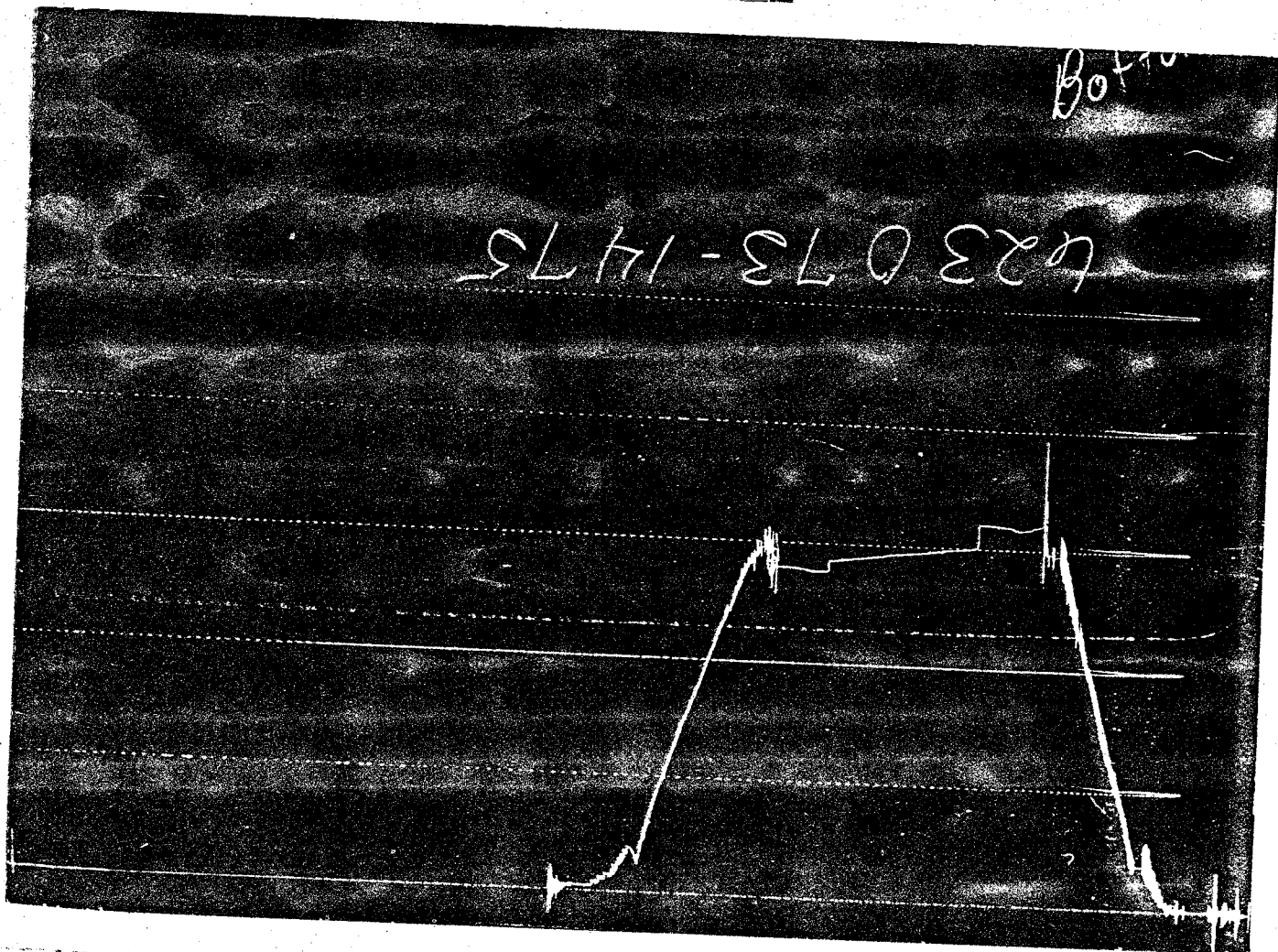
Second  
Period

Third  
Period

Final

PRINTED

# Formation Testing Service Report



Gauge No. 4352			Depth 5437'			Clock No. 10444			12 hour	Ticket No. 623073					
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	12	.0000		31	.0000	46	.0000		123					
1	.0204	18	.0333		76*	.1875	64	.0264		159**					
2	.0408	24	.0733		301	.3750	77	.0660		268					
3	.0612	27	.1133		999	.5625	91	.1056		504					
4	.0816	30	.1533		1386	.7500	101	.1452		816					
5	.1020	31	.1933		1609	.9375	112	.1848		1059					
6			.2333		1721	1.1250	123	.2244		1222					
7			.2733		1860			.2640		1338					
			.3133		1941			.3036		1426					
9			.3533		2004			.3832		1493					
10			.3930		2049			.3830		1541					
11															
12															
13															
14															
15															

Gauge No. 786			Depth 5441'			Clock No. 2313			12 hour							
0	.0000	8	.0000		27	.0000	44		.0000		121					
1	.0196	14	.0335		79*	.1868	62		.0266		163**					
2	.0392	21	.0737		330	.3736	75		.0664		271					
3	.0588	23	.1139		1020	.5604	88		.1062		507					
4	.0784	25	.1541		1379	.7472	99		.1460		822					
5	.0980	27	.1943		1591	.9340	111		.1858		1063					
			.2345		1744	1.1210	121		.2256		1223					
			.2747		1855				.2654		1335					
8			.3149		1937				.3052		1423					
9			.3551		2004				.3450		1489					
10			.3950		2051				.3850		1540					
11																
12																
13																
14																
15																
Reading Interval		3			6			28			6	Minutes				

REMARKS: \*Interval = 5 minutes \*\*Interval = 4 minutes

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	4801'	
Drill Collars	6"	2 1/4"	615'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"		8'	
Hydro-Spring Tester	5"	3/4"	5'	5433'
Multiple CIP Sampler				
Extension Joint				
AP Running Case (2)	5"	-	4'	5437'
				5441'
Hydraulic Jar	5"	1"	6'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2"	6'	5453'
Distributor				
Packer Assembly	6 3/4"	2"	6'	5459'
Flush Joint Anchor	5 3/4"	2 1/2"	5'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case X. Over	5 3/4"	2 1/2"	1'	
Blanked off	5"	-	1'	
Anchor Pipe Safety Joint	5"	1"	3'	
Packer Assembly	6 3/4"	2"	6'	5474'
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	2 1/2"	8'	
Blanked-Off B.T. Running Case	5 3/4"	-	5'	5486'

September 25, 1973

MEMO FOR FILING

Re: Tiger Oil Company  
USA Gov't. #1-30  
Sec. 30, T. 40 S, R. 23 E,  
San Juan County, Utah

On September 20, 1973, the above referred to well site was visited.

A safety inspection was made of the Willard Pease Drilling Company's rig  
#1. This rig does not comply with O.S.H.A. regulations for the following reasons:

1. No counter balance climbing device
2. No toe boards
3. No stretcher
4. Emergency information not posted
5. No smoking and warning signs not posted on fuel tanks

At the time of the visit they were installing explosive and vapor proof lighting. Of most importance is that they start logging the ton miles on the drilling line. They were drilling at 5,084'.

CLEON B. FEIGHT  
DIRECTOR

CBF:ck

cc: U.S. Geological Survey  
Industrial Commission



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TR  
(Other instruct.  
verse side)DATE\*  
on re-Form approved.  
Budget Bureau-No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. USA U-0120404
2. NAME OF OPERATOR Edward Mike Davis d/b/a Tiger Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1920 Colorado State Bank Building, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2190' FSL and 660' FWL		8. FARM OR LEASE NAME USA - Government
14. PERMIT NO.		9. WELL NO. 1-30
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4,349' GL		10. FIELD AND POOL, OR WILDCAT Ismay-Desert Creek
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T40S, R23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting, any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Cement plugs were set by HOWCO as directed by U.S.G.S. representative as follows on September 26, 1973"

Plug #1 - 5,425 - 5,325' - 34 cubic feet cement  
#2 - 5,225 - 5,125' - 34 cubic feet cement  
#3 - 4,300 - 4,200' - 34 cubic feet cement  
#4 - 4,000 - 3,800' - 68 cubic feet cement  
#5 - 2,050 - 1,950' - 40 cubic feet cement  
#6 - 1,400 - 1,350' - 17 cubic feet cement

The surface plug and marker will be set by November 15, 1973, and surface restoration work will be soon.

18. I hereby certify that the foregoing is true and correct

SIGNED

*E. Wayne Rogers*

TITLE

Production Manager-  
Petroleum Engineer

DATE

10/29/73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TR CATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. USA U-0120404	
2. NAME OF OPERATOR Edward Mike Davis d/b/a Tiger Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1920 Colorado State Bank Building, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2190' FSL and 660' FWL		8. FARM OR LEASE NAME USA Government	
14. PERMIT NO.		9. WELL NO. 1-30	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4,349' GL		10. FIELD AND POOL, OR WILDCAT Ismay-Desert Creek	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30 T40S-R23E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/> XX	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting, any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to plug and abandon well as a dry hole per instructions from Mr. Jerry Bong U.S.G.S. as follows:

Plug #1 - 5,425 - 5,325' - 34 cubic feet cement  
#2 - 5,225 - 5,125' - 34 cubic feet cement  
#3 - 4,300 - 4,200' - 34 cubic feet cement  
#4 - 4,000 - 3,800' - 68 cubic feet cement  
#5 - 2,050 - 1,950' - 40 cubic feet cement  
#6 - 1,400 - 1,350' - 17 cubic feet cement  
#7 - Surface plug - 15 cubic feet cement

Work will be done by HOWCO on September 26, 1973.

18. I hereby certify that the foregoing is true and correct		Manager of Production	
SIGNED <u>E. Wayne Rogers</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>10/29/73</u>	
(This space for Federal or State office use)			
APPROVED BY _____		TITLE _____	
CONDITIONS OF APPROVAL, IF ANY:		DATE _____	

\*See Instructions on Reverse Side

FORM OGC-8-X  
FILE IN QUADRUPLICATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Government 1-30  
Operator Edward Mike Davis d/b/a Tiger Oil Company  
Address 1920 Colorado State Bank Bldg., Denver, Co 80202  
Contractor Willard Pease Drilling Co.  
Address Box 548, Grand Junction, Colo. 81501  
Location NW 1/4, SW 1/4, Sec. 30, T. 40 <sup>S</sup>X., R. 23 <sup>W</sup>X., San Juan County.

Water Sands:

	Depth: From -	To -	Volume: Flow Rate or Head -	Quality: Fresh or Salty -
1.	<u>229'</u>	<u>234'</u>	<u>8" artesian flow</u>	<u>Fresh</u>
2.				
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops: Not Logged.

- NOTE: (a) Upon diminishing supply of forms, please inform this office.  
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)  
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved  
Budget Bureau No. 42-3355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. USA U-0120404																			
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																			
2. NAME OF OPERATOR Edward Mike Davis d/b/a Tiger Oil Company		7. UNIT AGREEMENT NAME																			
3. ADDRESS OF OPERATOR 1920 Colorado State Bank Building, Denver, Colorado 80202		8. FARM OR LEASE NAME USA-Government																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2190' FSL and 660' FWL At top prod. interval reported below Same At total depth Same		9. WELL NO. 1-30																			
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Ismay-Desert Creek																			
15. DATE SPUNDED 8/28/73		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 30, T40S-R23E																			
16. DATE T.D. REACHED 9/25/73		12. COUNTY OR PARISH San Juan																			
17. DATE COMPL. (Ready to prod.) P&A (9/26/73)		13. STATE Utah																			
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4,349' GL 4,359' KB		19. ELEV. CASINGHEAD P & A																			
20. TOTAL DEPTH, MD & TVD 5,490		21. PLUG, BACK T.D., MD & TVD P & A																			
22. IF MULTIPLE COMPL., HOW MANY* --		23. INTERVALS DRILLED BY 0-5490'																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE NO																			
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, FDC-GR, CNL-GR		27. WAS WELL CORED NO																			
28. CASING RECORD (Report all strings set in well)																					
<table border="1" style="width:100%"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>13-3/8"</td><td>37</td><td>216</td><td>17-1/4"</td><td>300 sacks</td><td>None</td></tr><tr><td>8-5/8"</td><td>24</td><td>1,370</td><td>12-1/4"</td><td>700 sacks</td><td>None</td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	13-3/8"	37	216	17-1/4"	300 sacks	None	8-5/8"	24	1,370	12-1/4"	700 sacks	None
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																
13-3/8"	37	216	17-1/4"	300 sacks	None																
8-5/8"	24	1,370	12-1/4"	700 sacks	None																
29. LINER RECORD																					
<table border="1" style="width:100%"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)													
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																	
30. TUBING RECORD																					
<table border="1" style="width:100%"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr></tbody></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)															
SIZE	DEPTH SET (MD)	PACKER SET (MD)																			
31. PERFORATION RECORD (Interval, size, and number)																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
<table border="1" style="width:100%"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																				
33.* PRODUCTION																					
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)																			
DATE OF TEST		WELL STATUS (Producing or shut-in) Dry Hole																			
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD																			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE																			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY																			
35. LIST OF ATTACHMENTS Geological Report - DST Reports																					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																					
SIGNED <u>E. Wayne Rogers</u>		TITLE <u>Manager of Production</u> <u>Petroleum Engineer</u>																			
		DATE <u>10/29/73</u>																			

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
ISMAY DST#1	5,287	5,330	Recovered 120' slightly OC Mud 145' slightly OC Water IF 22 mins. (54-68#) ISI 60 mins. (2,000#) FF 160 mins. (82-164#) FSI 120 mins. (1865#)
DESERT CREEK DST#2	5,460	5,474	60' Mud and 200' water IF 15 mins. (14-27#) ISI 60 mins. (2,029#) FF 245 mins. (27-103#) FSI 60 mins. (1524#)

## 38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ismay	5,174	5,174
Lower		
Ismay	5,276	5,276
First		
Paradox	5,332	5,332
Desert Creek	5,376	5,376
Second Paradox	5,482	5,482

h

GEOLOGICAL REPORT

FOR

EDWARD MIKE DAVIS' #1-30 GOVERNMENT

NW SW Section 30, T40S-R23E

SAN JUAN COUNTY, UTAH

PHILIP MORRILL

Geologist

October 2, 1973

This summary Geological Report is for:

Edward Mike Davis' #1-30 Government  
NW SW Section 30, T40S-R23E  
San Juan County, Colorado

Spud Date: 12:30 a.m. August 28, 1973

Surface Casing: Set 13-3/8" surface casing. Cemented at 216' with

Contractor: Willard Pease Drilling Company

Hole Size: 12-1/4" - Reamed to 17-1/2"

Cores: None

Drill Stem Tests: Two (2) DST #1 - 5287' - 5330'  
DST #2 - 5460' - 5474'

Logs: Schlumberger IES and Compensated Neutron Formation Density Logs

Log Date: September 25, 1973

Disposition: Plugged as follows:  
26 sacks 5425 - 5325'  
26 sacks 5225 - 5125'  
26 sacks 4300 - 4250'  
52 sacks 4000 - 3800'  
31 sacks 2050' - 1950'  
13 sacks 1400 - 1350'

Log Tops: Shinarump - 1992 (+2367)  
Moenkopi - 2042 (+2317)  
De Chelly - 2256 (+2103)  
Organ Rock - 2338 (+2021)  
Hermosa - 4252 (+107)  
Ismay - 5174 (-815)  
Lower Ismay - 5266 (-907)  
First Paradox Shale - 5332 (-973)  
Desert Creek - 5376 (-1017)  
Second Paradox Shale - 5482 (-1123)  
Total Depth - 5491' Log; 5490' Driller

DST #1

Interval: 5287' - 5330'

Open: IF 22 minutes, ISI 60 minutes, FF 160 minutes, FSI 120 minutes.

Recovery: 265' fluid. 120' mud, slightly oil cut, 145' slightly oil cut. Sampler 1600 cc mud and water. No oil. Gas TSTM IHP 2931#, IFP 54-68#, ISI 2000#, FFP 82-164#, FSI 1865#. Temp. 126° F.

DST #2

Interval: 5460' - 5474'

Open: IF 15 minutes, 14=27#; ISI 60 minutes, 2029#; FF 245 minutes, 27-103#; FSI 60 minutes, 1524#. IHP 2907#.

Recovery: 260' fluid. 60' mud, 200' muddy water. No shows.

3970-4000' Siltstone - red-maroon - very fine grained - cavings (?)

4000-30' Siltstone - red-maroon - very fine grained with some mica occassionally pieces of large grained free quartz. Trace of green-gray shale.

4030-60' As above.

4060-90' Siltstone as above - 30% of sample - shale brick red - to some black - 5% of sample - limestone gray - off white - very finely x-lln-shaley.

4090-4120' Siltstone and shale as above - only slight trace (less 1%) of limestone.

4120'-50' Siltstone - red to rusty color - with some mica - calcareous.

4150-80' Siltstone as above - trace limestone gray - dirty white - finely x'lln.

4180'4210' Siltstone - red maroon - calcareous - shale red-maroon

4210-40' Limestone - gray - finely x'ln - dense.

4240-70' Limestone - gray - dense - sandy.



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4270-4300'	Limestone - as above.
4300-30'	Shale - red - chunky - cavings (?)
4330-60'	Shale - as above - 20% of sample - limestone white - medium grained sandy.
4360-90'	Limestone gray - dense - very finely x'ln.
4390-4420'	Limestone - gray - rusty brown - fine grained - sandy - 50% of sample - shale - soft - red-rust.
4420-30'	Limestone - as above.
4430-40'	Limestone - gray - grayish white - finely x'ln - dense.
4440-50'	Siltstone - brown - redish - calcareous
4450-60'	Siltstone - as above.
4460-70'	As above - trace limestone - brown-tan - finely x'ln
4470-80'	As above.
4480-90'	As above.
4490'-4500'	Siltstone as above - 40% of sample - limestone white - gray dense - finely x'ln - few shaley pieces.
4500-10'	Shale - red - rusty and siltstone red - very fine grained.
4510-20'	Shale and siltstone - as above - trace limestone tan-brown - very finely x'ln - sandy in part.
4520-30'	Shale and siltstone - as above - 20% of sample limestone - brown tan - sandy - very finely x'ln.
4530-40'	Shale and Siltstone - trace limestone - as above.
4540-50'	Limestone - gray - white - fossil frag. - slightly sandy - trace chert
4550-60'	Limestone - as above.
4560-70'	Limestone as above with some dark gray dense limestone - trace chert.

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4570-80'	Siltstone - red-brown - 20% limestone as above
4580-90'	Limestone - gray - off white - dense - tite
4590-4600'	As above
4600-10'	Limestone - as above
4610-20'	Limestone - as above - becoming silty - trace anhydrite and chert
4620-30'	Same
4630-40	Limestone - brown - tan - very fine grained - dense - tite
4640-50'	Limestone - gray - white denser - tite
4650-60'	As above
4660-70'	Limestone as above - 40% siltstone red-brown
4670-80'	Siltstone as above - trace limestone
4680-90'	Limestone gray - white, very fine grained dense - tite
4690-4700'	Limestone - as above
4700-10'	Limestone - as above - becoming very shaley
4710-20'	As above
4720-30'	Limestone gray - dark gray - dense - tite - trace chert
4730-40'	Limestone - as above
4740-50'	Limestone - as above
4750-60'	Limestone - as above
4760-70'	Limestone - as above - heavy trace chert.
4770'-80'	Limestone - as above - heavy trace chert.
4780-90'	Limestone - very dark gray - black - dense - dirty appearance - heavy trace apple green anhydrite - trace chert
4790-4800'	As above
4800-10'	Limestone - gray - white - fine grain - slightly sand and shaley

4810-20'	Limestone - gray - white - fine grain - slightly sand and shaley
4820-30'	Limestone - gray - white - dense - crypto x'ln - trace chert
4830-40'	As above
4840-50'	Limestone - as above - becoming more shaley - heavy trace chert
4850-60'	Limestone - brown - gray - tan - finely x'ln - dense - trace fossil frag.
7860-70'	Shale and siltstone - red - brown - trace limestone
4870-80'	Shale - red - brown - blocky - trace siltstone - trace black shale
4880-90'	Limestone - gray - tan - brown - finely x'ln - shaley - dense tite
4890-4900'	As above
4900-10'	As above
4910-20'	Limestone - gray - white - cryptox'ln to some very fine x'ln - dense - tite - with trace fossil frag.
4920-30'	Limestone - as above - becoming slightly grayier.
4930-40'	Shale - gray to green - calcareous with some red to brown siltstone - trace limestone as above
4940-50'	As above
4950-60'	Limestone - gray - white - sub chalky with trace fossil frag. slightly sandy
4960-70'	Shale - red - maroon - with trace red siltstone
4970-80'	Shale - gray - black - red
4980-90'	As above
4990-5000'	Limestone - brown - tan - grayish brown - very finely x'ln - to some cryptox'ln - dense - tite with some slightly sandy
5000 - 10'	As above
5010-20'	Limestone - gray - white dense tite - trace anhydrite

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5020-30'	Limestone - gray - white dense tite - trace anhydrite
5030-40'	Limestone - brown - dark brown - cryptox'ln - dense
5040-50'	As above
5050-60'	Limestone - gray - dark gray - dense - tight with some shale - trace green anhydrite - trace white - brown chert
5060-70'	Limestone - as above
5070-80'	Limestone - White - gray - crypto x'ln - dense - some styplites - trace anhydrite
5080-90'	Limestone gray - dense - crypto x'ln - tite
5090-5100-	Limestone - As above
5100-10'	Limestone - gray - white - tan - cryptox'ln to some very fine grain - slightly sandy - trace gray to red siltstone (5%) trace green anhydrite
5110-20'	Limestone - gray - tan - crytp x'ln - dense - tite - N.S.
5120-30'	Shale - red - maroon - black - trace limestone - as above very poor sample - cavings?
5130-40'	Shale - as above - trace ls. - brown - tan - crypto x'ln dense tite - poor sample
5140-50'	Limestone - gray - light tan - crypto x'ln - dense - hard - tite
5150-60'	Limestone - dark brown - gray - crypto x'ln - dense tite - 20% shale - black - green - red - trace green anhydrite and trace tan - brown chert
5160-70'	As above
5170-80'	Limestone - gray - white - fine grained - slightly sand
5180-90'	As above
5190-5200'	Limestone - gray -white - tan - crypto x'ln to some very fine grained with slight trace white anhydrite
5200-10'	Limestone as above - heavy trace - tan chert
5210-20'	As above
5220-30'	Limestone - brown - tan - gray - shaley - highly fossiliferous- gradeing to tan cryptox'ln 30% of sample - shale - red - black - calcareous
5230-40'	As above

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5240-50' Limestone - as above

5250-60' Limestone - dark brown - black - very finely x'ln to cryptox'ln  
dense - tite - slightly shale with some anhydrite inclusions  
trace light gray - dense - crypto x'ln limestone

5260-70' Limestone - as above

5270-80' Limestone - tan - dirty gray - very fine grained - shaley -  
with trace of some sand grains - some sub chalky - dense - tite

5280-90' Limestone - gray - off white - finely x'ln - to some crypto x'ln.  
Dense - tite - no shows.

5290-95' Limestone - gray - white - crypto x'ln to finely x'ln - dense  
tite - 5% of sample - gold flour. - no visible stain - no cut

5295-5300' Limestone - gray - crypto x'ln to finely x'ln - with some anhydrite  
inclusions - dense - tite - no shows.

5300-05' As above

5305-10 Limestone - gray - cryto x'ln - to finely x'ln to some sub chalky -  
slight fractures with anhydrite in filling - no visible stain -  
20% of sample - blue - green fluor. - no cut

5310-15' Limestone - as above - fluor - same - poor cut when crushed -  
some rare pin point vugs

5315' 15" circ. sample  
Limestone - gray - white - fragmental to med x'ln - trace  
fossil frag. sub chalky - with some anhydrite inclusions -  
gold to goldish green - fluor. - very poor to weak cut -  
weak cut when crushed - no visible stain - rare pin point poro -  
over all looks tite - trace rare fractures.

30" circ. sample - same

45" circ. sample - same

60" circ. sample - same

5315-20' Limestone - gray - cryptox'ln to some medium x'ln - trace p.p.  
vugs - some pale gold to goldish green fluor. - poor cut

5320-25' Limestone - gray - very finely x'ln to crypto x'ln - show has  
decreased to only 5% - appears tite

5325-30'	Limestone - as above - only few pieces have show
5330-35'	Limestone - dary gray - whiteish gray - very fine grained to some finely x'ln in part shaley with some sub chalky - slightly sandy and some anhydrite inclusions - trace white chert - no shows
5335-40'	Shale - black - slightly calc. - 20% limestone - as above
5340-45'	Shale - black - slightly calc.
5345-50'	Shale - black - slightly calc.
5350-55'	Shale - black - soft
5355-60'	Shale as above - trace limestone - gray - finely x'ln - dense tite - trace red siltstone
5360-65'	Shale - black
5365-70'	Shale - black - trace limestone - gray - dense - trace red - siltstone
5370-75'	Shale - Black
5375-80'	As Above
5380-85'	Shale - as above - 10% of sample - limestone - gray - white - very fine grained to subchalky - shale - tite
5385-90	Limestone - gray - dirty white - very fine gr. - subchalky - shaley - dense tite
5390-95'	Limestone as above
5395-5400'	Limestone - white - subchalky - soft to some limestone - gray v. fine gr. - shaley tite
5400-05'	Limestone - as above - 40% of sample limestone - dark gray - very finely x'ln shaley - dense - tite
5405-10'	Limestone - gray - dark gray - finely x'ln to fine grained - gritty appearance - shaley - tite
5410-15'	Limestone - as above
5415-20'	Limestone - as above
5420-25'	Limestone - as above

5425-30' Limestone - light gray - whiteish gray - cryptox'ln to some finely x'ln and slightly subchalky - trace white anhydrite

5430-35' Limestone - as above

5435-40' As above

5440-45' As above

5445-50' As above

5450-55' Limestone - gray - crytox'ln - dense - tite - with some anhydrite inclusions 1% has dull - gold mineral fluor. - no cut - no visible stain

5455-60' Limestone - gray - finely x'ln - to crypto'x'ln - dense - tite 30% of sample blue - blueish green fluor. - no cut - very weak cut when crushed - no visible poro - no stain

5460-65' Limestone - gray - white cryptox'ln - dense tite - to some dark gray fragmental - 10% of sample - with shows - as above

5465-70' Limestone - gray - grayish white - finely x'ln to some cryptox'ln subchalky in part - slightly shaley - no visible poro - appears tite - 40% of sample - green fluor - no cut - fair to weak cut when crushed - faint odor -

5470-75' As above

5475-80' Limestone - gray - grayish white - finely x'ln to some cryptox'ln slightly shaley - no visible poro - tite - 30% of sample has faint to some good green fluor. - No cut - weak cut when crushed

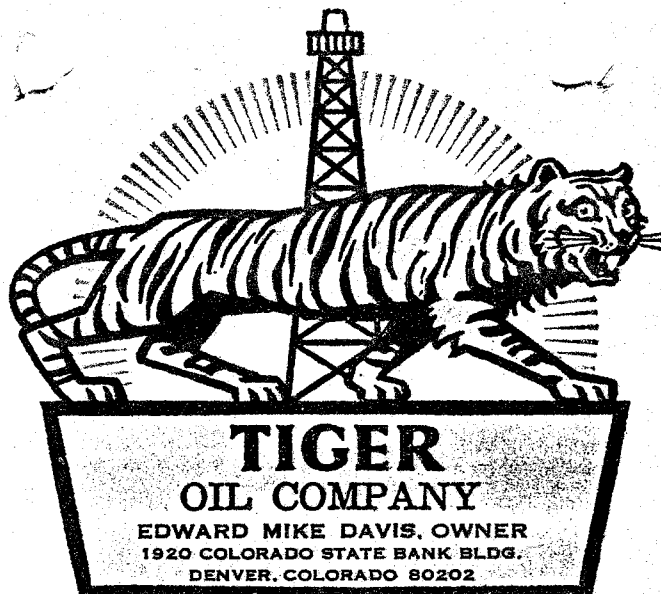
5480-85' Limestone - as above - show is getting faint - 10% of sample - weak green - fluor. - no visible poro - no cut

5485-90' Shale - black - soft

15" circ. sample - shale as above

30" circ. sample - shale as above

45" circ. sample - shale as above



October 30, 1973

Mr. Jerry W. Long  
District Engineer  
U.S.G.S.  
P. O. Box 1809  
Durango, Colorado 81301

RE: Government #1-30  
2190' FSL and 660' FWL  
Sec. 30, T40S-R23E  
San Juan County, Utah

Dear Sir:

Enclosed find, in triplicate, Completion Report Form 9-330, Notice of Intent to Abandon Form 9-331 and Subsequent Report of Abandonment Form 9-331. Also, for your files is one complete set of logs run on this well, one copy of geological report and a copy of each DST report.

If you desire any further information, please feel free to contact us.

Sincerely,

*Billie Langfelder*  
(Mrs.) Billie R. Langfelder  
Secretary to E. Wayne Rogers

Enclosures

cc: Mr. Cleon B. Feight, Director  
Utah Division of Oil and Gas Conservation  
with enclosures